Size of carrier excluding incremental volume:

% share of total lines

Zone 1 (closer to wire center)

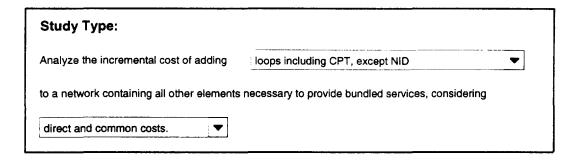
Zone 2 (farther from wire center)

Residence	Business
0%	100%
0%	100%

MFLIDMAR CLLI Code for Wire Ce	nter	
Total Cost per Line	30.24	
Local Exchange		
Switching & Trunking	0.77	View Detailed Cost
Billing and Collection	0.30	Results
Total Local Costs	1.07	
Joint	•	
End Office	2.87	
Loop	21.03	
Termination	2.26	
Billing and Collection	0.26	
Total Joint Costs	26.42	
Subtotal	27.49	
Common Costs	2.75	

Control TELRIC Financial Assumptions Technical Assumptions Wire Center Characteristics Algorithms

Total Element Long Run Incremental Cost



Common Cost Allocation

Select the allowance for common costs (as a percent of direct costs)



Size of carrier

% share of total lines

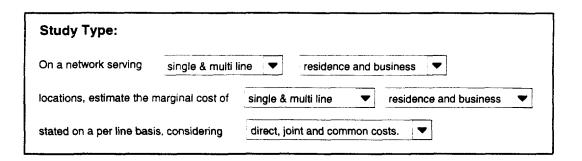
Zone 1 (closer to wire center)
Zone 2 (farther from wire center)

Residence Business
100%

AMFLIDMAR CLLI Code for Wire Cer	nter
Total Cost per line	35.73
Loop	30.12
Termination w/out NID	2.37
Subtotal	32.48
Common Costs	3.25

Control LRMC Financial Assumptions Wire Center Characteristics Algorithms

Marginal Cost of a Service



Joint Cost Allocation

Select the percentage allocation factor for joint costs.

80% **△** 90% **△**

Common Cost Allocation

Select the allowance for common costs (as a percent of direct/joint costs)

10% ▲ 11% ■ 12% ▼

Size of carrier:

% share of total lines (specifies volume of output)

Zone 1 (closer to wire center)
Zone 2 (farther from wire center)

Residence Business

Smoothing

Estimate marginal cost as the slope of the total cost curve within a range of plus or minus of the previously specified volume of output.

7.5% ▲ 10.0% □ 12.5% ▼

AMFLIDMAR CLLI Code for Wire Cel	nter	
Total Cost per Line	20.22	
Local Exchange		
Switching & Trunking	1.17	View Graph of Total
Billing and Collection	0.30	Cost Curve
Total Local Costs	1.47	
Joint		
End Office	2.66	
Loop	12.18	
Termination	1.87	
Billing and Collection	0.20	•
Total Joint Costs	16.91	
Subtotal	18.38	
Common Costs	1.84	

•

Control

LRMCE Results Financial Assumptions Technical Assumptions Wire Center Characteristics Algorithms

Marginal Cost of an Element

Study Type:

Analyze the marginal cost of adding

loops including CPT, except NID

to a network containing all other elements necessary to provide bundled services, considering

direct and common costs.

Common Cost Allocation

Select the allowance for common costs (as a percent of direct/joint costs)

10% ▲ 11% ■ 12% ▼

Size of carrier:

% share of total lines (specifies volume of output)

Zone 1 (closer to wire center)

Zone 2 (farther from wire center)

Residence Business

Smoothing

Estimate marginal cost as the slope of the total cost curve within a range of plus or minus of the previously specified volume of output.

2.5% **•** 5.0% **•** 7.5%

AMFLIDMAR CLLI Code for Wire Cen	ter
Total cost per line	15.46
Loop Termination w/out NID	12.18
Drop Wire/Bdng. Cable	1.87
Terminal	0.49
Subtotal	14.06
Common Costs	1.41

Financial Assumptions

Annual Cost Factors

Federal Income Tax Rate State Income Tax Rate 35.009 37.77

Debt % of Total Capitalization Equity % of Total Capitalization Cost of Debt Cost of Equity



Average

Plant Specific

Remote Electronics
Poles
Aerial Copper Cable
Underground Copper Cable
Buried Copper Cable
Aerial Fiber Cable
Underground Fiber Cable
Buried Fiber Cable
Conduit Systems





Switching/End Office Trunking Termination





Loaded Labor Cost per Hour



Engineer Tech II Tech I

Fiber Electronics

Investment per 64 bit channel

DS1

DS3

Central Office



Remote



Other Trunking Investment

Local \$ 775

Switched Access \$ 1150

Billing and Collecting

Joint Cost per month

Bill Handling, Envelope, Minimum Postage

Direct Cost per month

Centralized Mail Remittance

Customer Service

Bill Inquiry

Data Processing

Residence









Outside Plant Structures

Material Cost

Aerial (investment per Pole)

Underground (investment per mile)

Switching Investment

Building &

EF&I

Other Misc.

Investment

investment

Minimum Size Configuration:

Discount

Switch Size (Lines)



Non Traffic Sensitive Switching Investment

From To 399 1 400 999 1,000

1,999 2,000 2,999 3,000 4,999 . 5,000 9,999 10,000 19,999 20,000 29,999 30,000

or more

EF&I Investment Other Misc. Investment

Building &

2	
\$	20
\$	20
\$	20
\$	20
\$	20
\$	20
\$ \$ \$ \$ \$ \$ \$ \$ \$	20
\$	20

Traffic Sensitive Switching Investment

Call Setup (per hundred calls/day) Minutes of Use (per hundred minutes/day)



Other Switching Features

Per Line per Month

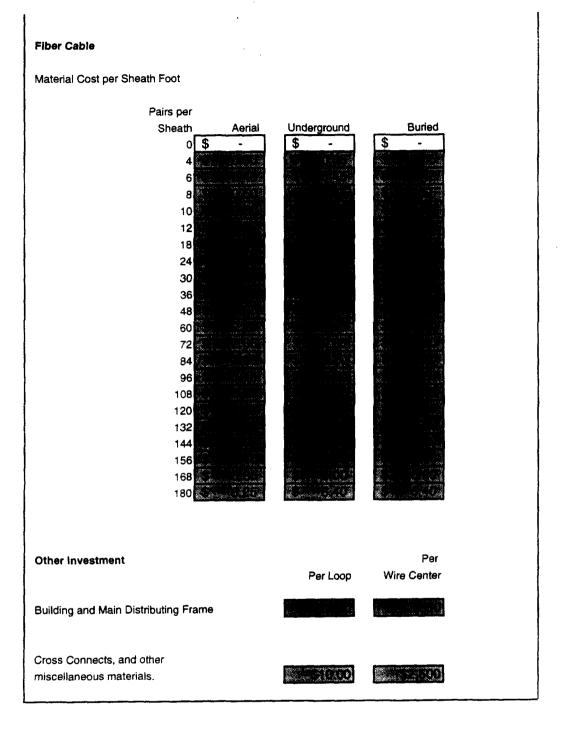


Feeder and Distribution Investment

Copper Cable

Material Cost per Sheath Foot

Sheath	Aerial	Underground		Buried
0	\$ -	\$ -	\$	-
6				1
12			25	
25		2000 V 440 28		
50				
100				
200				
300				
400				
600		7 Sec. 1 200 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		j
900			J Sa	
	San San San Salah	388, 1		
1,200				***************************************
1,500				
1,800	The second second		1	
2,100		1 · · · · · · · · · · · · · · · · · · ·		
2,400				
2,700				
3,000	A maria	-6.54 ·	d a.	ă.
3,600	4			
4,200	5 23.50			A San San



Customer Premises Termination

Drop Wire/Building Cable

	Material
Pairs per	Cost per
Sheath	Sheath Foot
0	\$ -
3	\$3000 KO
6	
12	
25	
50	
100	

Remote Terminal

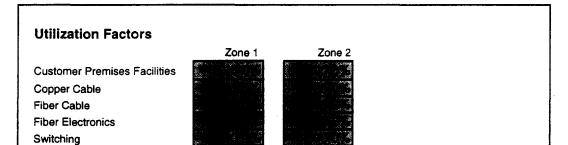
Customer Size (Lines)		EF&I
From	To	Investment
1	2	
3	6	
7	25	
26	50	Ac. at a subset
51	100	

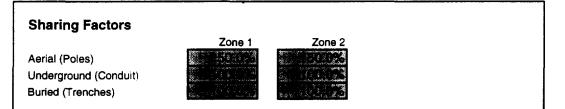
Network Interface Device

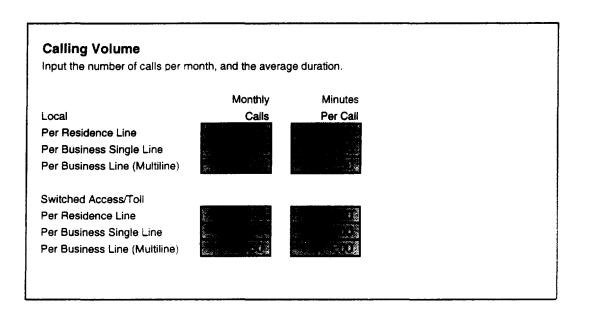
Customer Siz	ze (Lines)	!	EF&I
From	То	Inves	tment
1	1		
2	2		e me
3	3	: 	
4	25		
26	50	500 500 a.	J. AR
51	100	(



Technical







Loop Network Technology	
All copper	
All fiber	
Select copper or fiber based upon following c	riteria:
Minimum Fiber Loop length	Feet
Minimum Loops per Fiber segment	

Customer Dispersion Factors

Percentage of total loops distributed in Zone 1

Residence loops per household with phone service

9759%

Extent to which business loops are more heavily concentrated than residential loops in Zone 1

10.0%

1.232

Residential Line Ratios	
Percent of households with phone service	94.5%
Average number of single-line residence loops as percent of total residence loops.	62/4%
Residence loops per household	1.164

Business Line Ratios

Average number of single-line business loops as percent of total business loops.



Distribution of Other Business Lines

922 FH 192	
From	То
2	2
3	5
6	10
11	22
23	45
46	90
>	90
	total



Miscellaneous Switching Characteristics

Tandem Switching Ratio Monthly MOU/Interoffice Trunk Interoffice/Intraoffice Ratio



Access

Switched

Fiber Design Characteristics

Wire Center

Remote

Electronics

Electronics

DS1

DS1

Fiber Safety Reserve: 20%



minimum of 2 extra pairs per segment

Splicing

Copper Minutes Per Segment Minutes Per Pair Minutes Per Pair/Kilofoot



Placement Efficiency/Difficulty Factor

To reflect carrier specific or local conditions, the time required for the placement of poles, conduit and trenches can be stated as a percentage of the average time requirement input below.

Poles

Conduit

Trenches

*100.0%





Structures

Aerial (per Pole) Underground (per Mile) Buried (per Mile)

Spacing

Engineering

Labor

Feet

132

Hours

Hours

Aerial percent of structures:

10.0%

Underground percent of structures:

As a function of loop density As a function of other factors



Cable Sheaths

Extent to which second and subsequent cable sheaths on the same segment cost more (less) than a single sheath.

> Material Engineering Placing

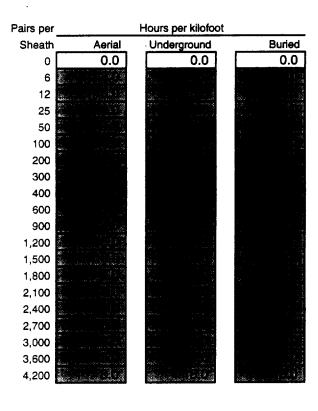
Aerial

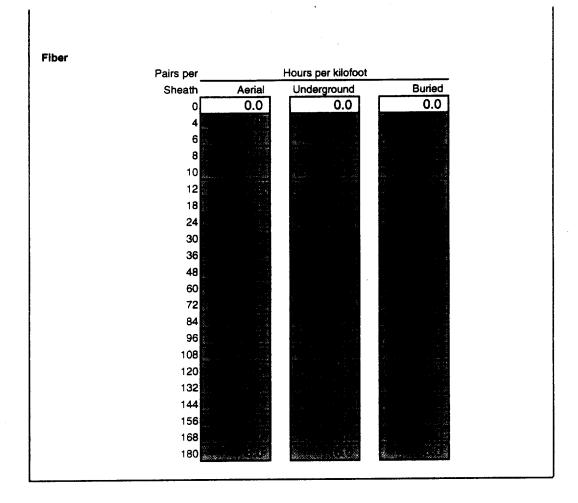
Underground



Cable Design and Engineering

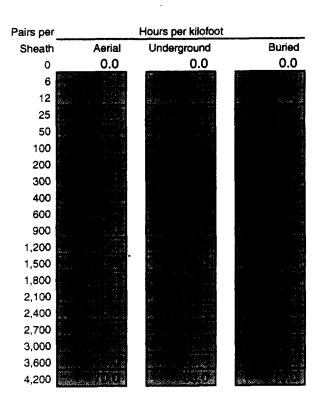
Copper

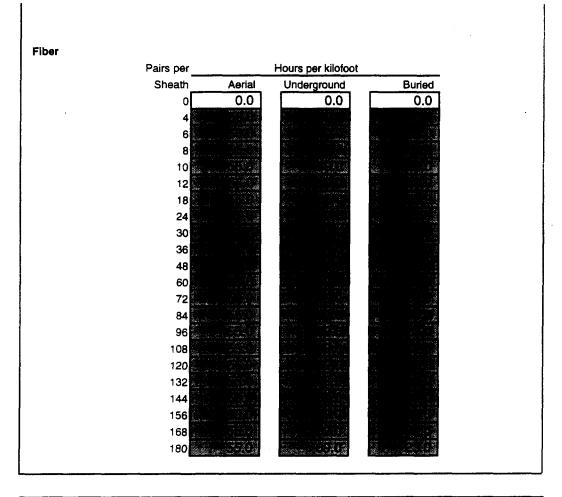


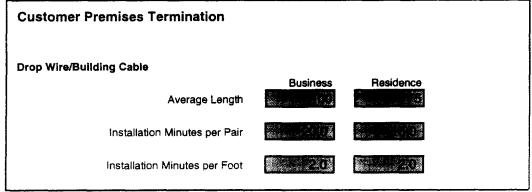


Cable Placement

Copper







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o Microfilm, microform, certain photographs or videotape.

other materials which, for one reason or another, could not be scanned into the RIPS system.

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